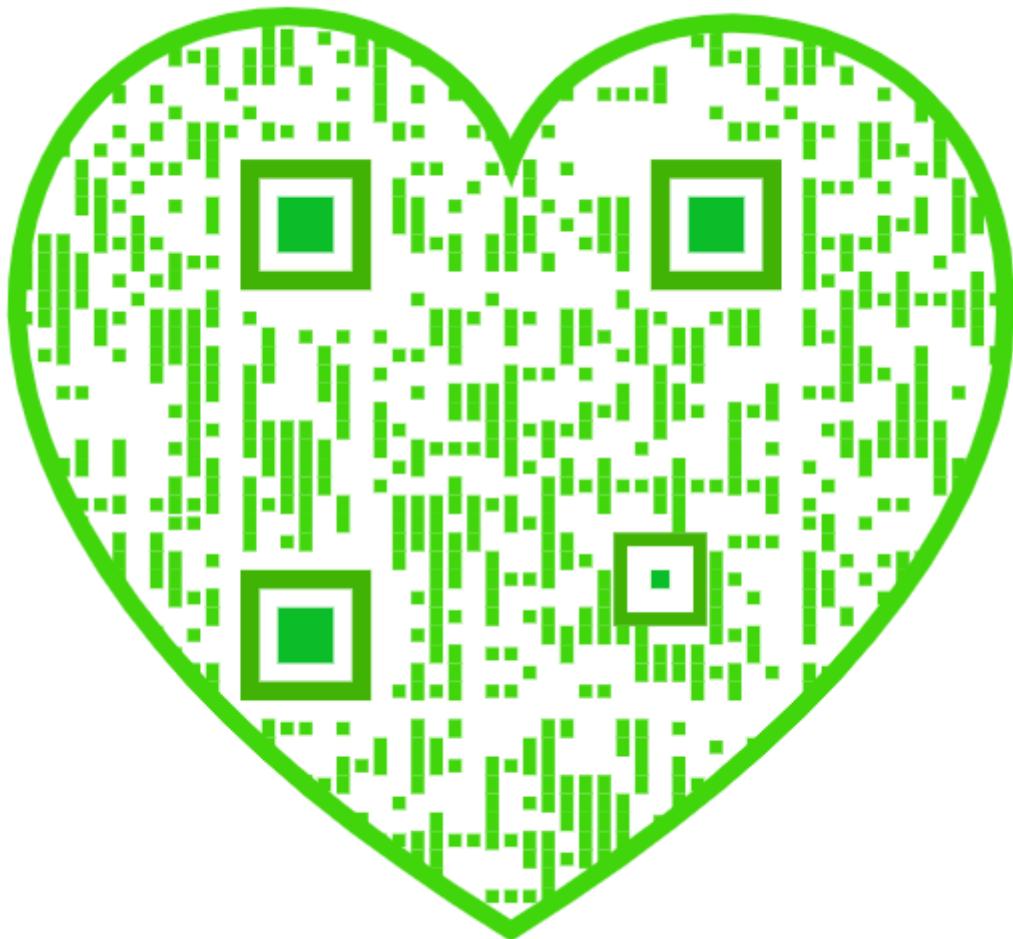


Master in Artificial Intelligence



Monitoring and Maintenance I



Purpose

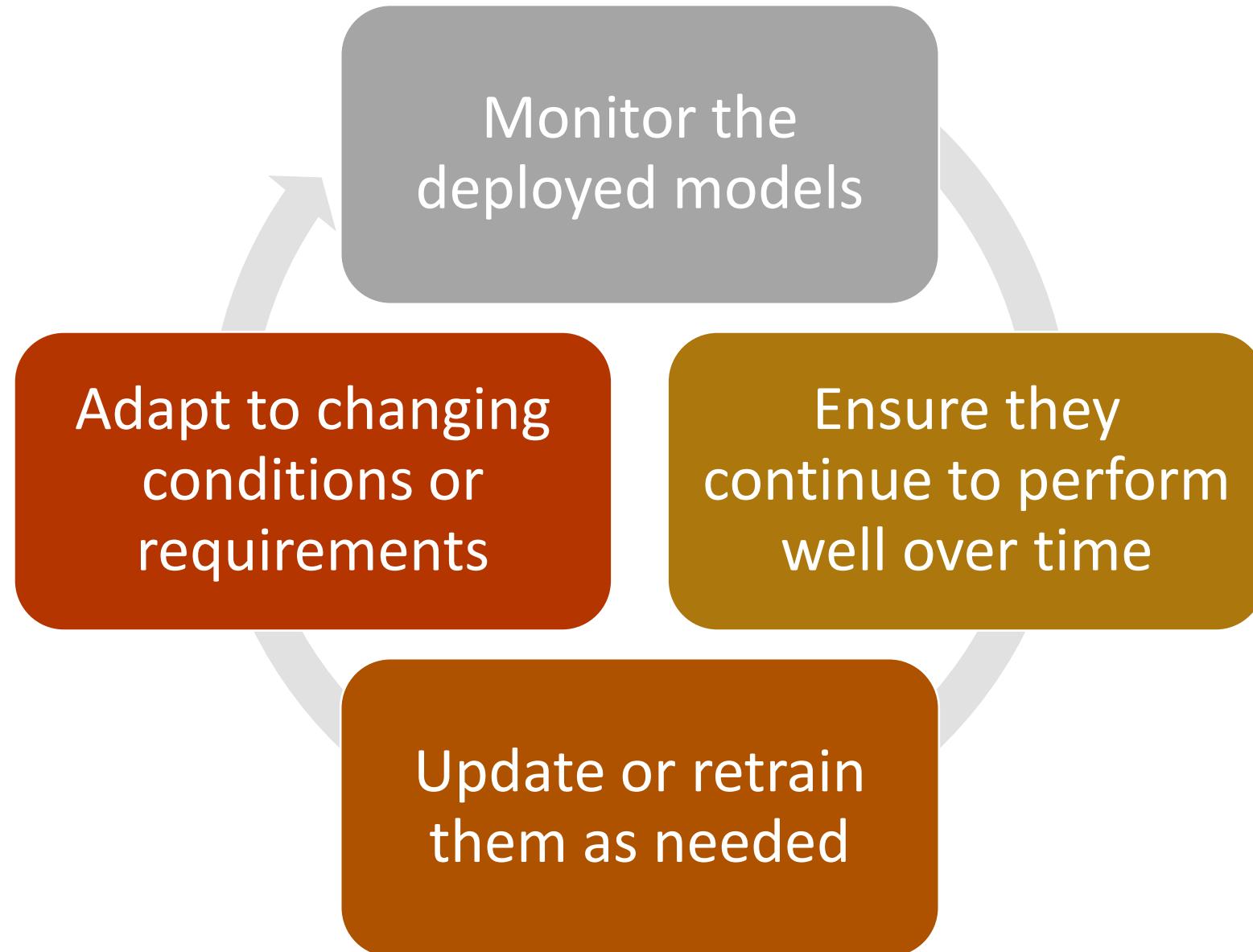
The purpose of the section is to help you learn how to monitor and maintain the deployed models to become a Successful Artificial Intelligence (AI) Engineer

At the end of this lecture, you will learn the following

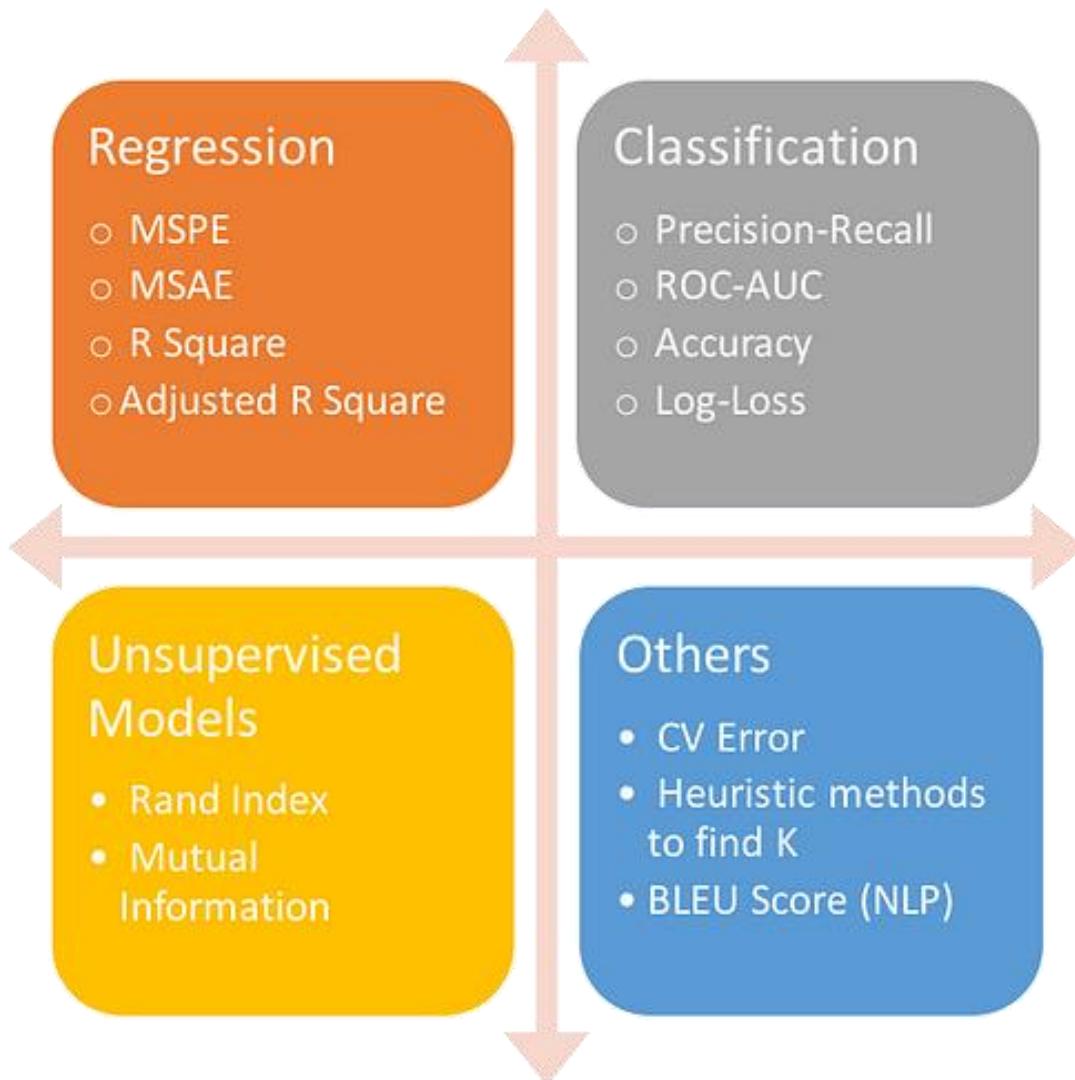
- How to monitor the deployed models to ensure they continue to perform well over time, and update or retrain them as needed to adapt to changing conditions or requirements



How to monitor and maintain the deployed models



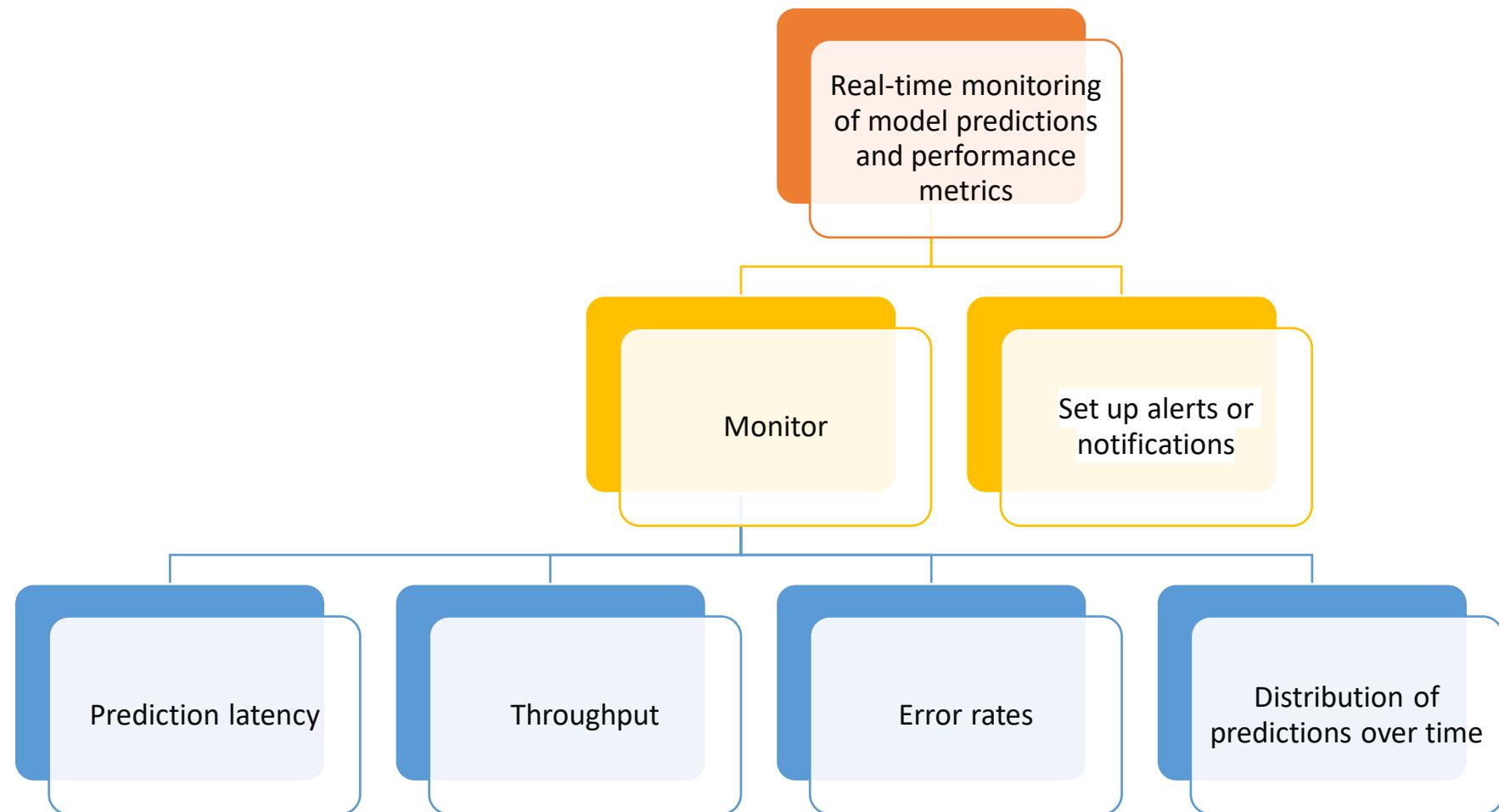
Define Key Performance Metrics



Define Key Performance Metrics



Real-time Monitoring



Logging and Auditing

Log all

Maintain an audit trail of

Model predictions

Model versions

Input data

Configuration

Metadata

Updates



Data Drift Detection

Compare and
Detect Data Drift

Statistical tests

Visualization
techniques

Drift detection
algorithms



What is next?

How to use statistical tests, visualization techniques, or drift detection algorithms to identify data drift

Compare and
Detect Data Drift

Statistical tests

Visualization
techniques

Drift detection
algorithms



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Monitoring and Maintenance I